PTO/SB/08a (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE o a collection of Information unless it displays a valid OMB control number. 10/784,904 **Application Number** Substitute for form 1449A/PTO February 23, 2004 Filing Date INFORMATION DISCLOSURE First Named Inventor Ma, et al. 5 STPATEMENT BY APPLICANT **Group Art Unit** Unknown 2823 **Examiner Name Unknown** William M. Brewster (Use as many sheets as necessary) AMAT/8830/FEP/PCVD/PJS Attorney Docket Number Sheet 5 of Submission Date March 31, 2004

			U.S. PATENT	DOCUMENTS		
Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
muais .	NO.	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
9VB	A1	US-6645838	11/11/2003	Talwar, et al.	*	
918	A2	US-6635588	10/21/2003	Hawryluk, et al.	·	
AVB	А3	US-6559520	05/06/2003	Matsuki, et al.		
WB	A4	US-6544900	04/08/2003	Raaijmakers, et al.		
NB.	A5	US-6458718	10/01/2002	Todd		
918	A6	US-6410463	06/25/2002	Matsuki		
940	A7	US-6387761	05/14/2002	Shih, et al.		
9/0	A8	US-6383956	05/07/2002	Hawryluk, et al.		
80	A9	US-6383955	05/07/2002	Matsuki, et al.		
9VB	A10	US-6358829	03/19/2002	Yoon, et al.		
ANB.	A11	US-6352945	03/05/2002	Matsuki, et al.		
NB	A12	US-6348420	02/19/2002	Raaijmakers, et al.		
WB	A13	US-6303476	10/16/2001	Hawryluk, et al.		
9/B	A14	US-6284686	09/04/2001	Marior		
NB	A15	US-6232196	05/15/2001	Raaijmakers, et al.		
WB	A16	US-6025627	02/15/2000	Forbes, et al.		
WB	A17	US-5908307	06/01/1999	Talwar, et al.		
Wh	A18	US-5807792	09/15/1998	Ilg, et al.	×	

		FORE	IGN PATENT	DOCUMENTS		
Examiner Initials*	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁶
	No.'	Country Code ³ -Number ⁴ -Kind Code ³ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
9/A	B1	WO 02/097864	12/05/2002	ASM America, Inc.	X	7
9VB	B2	WO 02/080244	10/10/2002	ASM America, Inc.	1	1
WB	В3	WO 02/065525	08/22/0002	ASM America, Inc.		\vdash
WB	B4	WO 02/065517	08/22/2002	ASM America, Inc.		\vdash
9V B	B5	WO 02/065516	08/22/2002	ASM America, Inc.	×	<u> </u>

M. Bromater 295EFØ \$ Examiner **Date Considered**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional), a See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, a Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, akind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. • Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08a (08-03)

Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	Substitute for form 1449A/PTO			Application Number	. 10/784,904
٦1	PE			Filing Date	February 23, 2004
	INFORMATION DIS	CLOS	SURE	First Named Inventor	Ma, et al.
APR 0	5 STATEMENT BY A	PLIC	CANT	Group Art Unit	Unknown 2823
				Examiner Name	Unknown William M. Brenster
E TR	(Use as many sheets as n	ecessary, -)	Attorney Docket Number	AMAT/8830/FEP/PCVD/PJS
	Sheet 2	of	5	Submission Date	March 31, 2004

			U.S. PATENT	DOCUMENTS		
Examiner Cite		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
umas	NO.	Number-Kind Code ^{2 (I known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
9VB	A19	US-5796116	08/18/1998	Nakata, et al.	7	
AVB	A20	US-5693139	12/02/1997	Nishizawa, et al.	,	
WB.	A21	US-5674304	10/07/1997	Fukada, et al.		
4/B	A22	US-5527733	06/18/1996	Nishizawa, et al.		
9rB	A23	US-5480818	01/02/1996	Matsumoto, et al.		
WB	A24	US-5469806	11/28/1995	Mochizuki, et al.		
WB	A25	US-5374570	12/20/1994	Nasu, et al.		
9vB	A26	US-5372860	12/13/1994	Fehiner, et al.		
918	A27	US-5294286	03/15/1994	Nishizawa, et al.		
910	A28	US-4834831	05/30/1989	Nishizawa, et al.		
WE	A29	US-20030082300	05/01/2003	Todd, et al.	·	
918	A30	US-20030045074	03/06/2003	Seibel, et al.	, ,	
9VB	A31	US-20030036268	02/20/2003	Brabant, et al.		
WB	A32	US-20030022528	01/30/2003	Todd		
WB	A33	US-20020197831	12/26/2002	Todd, et al.		
WE	A34	US-20020173130	11/21/2002	Pomerede, et al.		
W	A35	US-20020173113	11/21/2002	Todd		
46	A36	US-20020168868	11/14/2002	Todd	7	

	_	FORE	IGN PATENT	DOCUMENTS		
Examiner Initials*	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁶
	No.'	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
WB	B6	WO 02/065508	08/22/2002	ASM America, Inc.	*	$\overline{\kappa}$
9VB	B7	WO 02/064853	08/22/2002	ASM America, Inc.	1	1
avis	B8	WO 01/41544	06/14/2001	ASM America, Inc.		+
NB	В9	WO 98/20524	05/14/1998	Pacific Solar Pty.		1
9NB	B10	JP 63-062313 (Abstract Only)	03/18/1988	Fujitsu, Ltd.	<u> </u>	X

Examiner 9 Crowds

Examiner 9 Cr Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PADE

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE collection of information unless it displays a valid OMB of

AADFWSubstitute for form 1449A/PTO

CORMATION DISCLOSURE TEMENT BY APPLICANT

APR 0 5 2004 (USe as many sheets as necessary)

Sheet 5 of

Under the Paperwork	Reduction Act of 1995	no persons are required to respond to a collection	on of information unless it displays a valid OMB control numb
49A/PTO		Application Number	10/784,904
ION DISCLOSURE IT BY APPLICANT ny sheets as necessary)		Filing Date	February 23, 2004
		First Named Inventor	Ma, et al.
		Group Art Unit	Unknown 2823
		Examiner Name	Unknown Villiam. M. Brewster
		Attorney Docket Number	AMAT/8830/FEP/PCVD/PJS
	of 5	Submission Date	March 31, 2004

			U.S. PATENT	DOCUMENTS	•	
	Cite No.1		Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
iriitais	140.	Number-Kind Code ^{2 (2 known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
WB	A37	US-20020093042	07/18/2002	Oh, et al.	X	
Wp	A38	US-20020022294	02/21/2002	Hawryluk, et al.	1	
9VB	A39	US-20020019148	02/14/2002	Hawryluk, et al.		
WB	A40	US-20010055672	12/27/2001	Todd		
WB.	A41	US-20010046567	11/29/2001	Matsuki, et al.		
900	A42	US-20010024871	09/27/2001	Yagi		
916	A43	US-20010020712	09/13/2001	Raaijmakers, et al.	×	
	A44	US-				
	A45	US-			·	
	A46	US-		_		
	A47	US-				
	A48	US-				
	A49	US-				
	A50	US- g				
	A51	US-				
	A52	US-				
	A53	US-	ļ			
	A54	US-	1			

		FORE	IGN PATENT	DOCUMENTS		
1	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T [®]
	No.'	Country Code ³ -Number ⁴ -Kind Code ³ (il known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
9V B	B11	JP 62-171999 (Abstract Only)	07/28/1987	Nippon Telegr & Teleph Corp.	*	X
91/B	B12	JP 58-098917 (Abstract Only)	06/10/1983	Matsushita Denki Sangyo KK		1
ON B	B13	JP 2001-189312 (Abstract Only)	05/02/2001	Motorola, Inc.		\sqcap
ay B	B14	JP 2001-111000	04/20/2001			
₽V B	B15	JP 05-102189 (Abstract Only)	04/23/1993	Fujitsu, Ltd.	×	×

Examiner	William	M. Brewster	Date Considered	29 FE	١٩	7
VALUED. I-D	lat the advances as a state of				` 1 -	_

hether or not citation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional), a See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. a Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patient documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.3.8 4 For Japanese patient document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006, CMB 0651-0031

A73

Under the Paperwork Reduction Act of 1	995, no persons are required to respond to a collecti	on of information unless it displays a valid OMB control number
P Substitute for form 1449A/PTO	Application Number	10/784,904
(O), , , \(\lambda \)	Filing Date	February 23, 2004
1 S INFORMATION DISCLOSURE	First Named Inventor	Ma, et al.
N' STATEMENT BY APPLICANT	Group Art Unit	Unknown 2823
(Use as many sheets as necessary)	Examiner Name	Haknown William M. Brenster
(Use as many sheets as necessary)	Attorney Docket Number	AMAT/8830/FEP/PCVD/PJS
Sheet 4 of 5	Submission Date	March 31, 2004

			U.S. PATENT I	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	No.	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	
	A55	US-			
	A56	US-			
	A57	US-			
	A58	US-			
	A59	US-			
	A60	US-			
	A61	US-			
	A62	US-			
	A63	US-			• .
	A64	US-			
	A65	US-			
	A66	US-			
	A67	US-			
	A68	US-			· · · · · · · · · · · · · · · · · · ·
	A69	US-			
	A70	US-			
	A71	US-			
-	A72	US-	†	•	

							Γ
		FORE	IGN PATENT	DOCUMENTS			Γ
Examiner Cit Initials* No	Cite	Foreign Patent Document	Publication Date	Name of Patentee or		Τ ⁶	l
	No.	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document			
WB	B16	JP 05-047665 (Abstract Only)	02/26/1993	Fujitsu, Ltd.	X	X	l
900	B17	JP 03-286522 (Abstract Only)	12/17/1991	NEC Corp.			
AND	B18	JP 02-172895 (Abstract Only)	07/04/1993	NEC Corp			
NB	819	JP 01-270593 (Abstract Only)	10/27/1989	Fujitsu, Ltd.			
We	B20	EP 1 150 345	10/31/2001	ASM Japan K.K.	\succ	X	

Examiner William M. Breweter Date Considered 29 SEPAS

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTC/SB/08b (08-03)
Approved for use through 06/30/2006, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid CMB control number. Substitute for form 1449B/PTO 10/784,904 Application Number Filing Date February 23, 2004 INFORMATION DISCLOSURE First Named Inventor Ma, et al. ATEMENT BY APPLICANT **Group Art Unit Unknow**a **Examiner Name Unknown** (Use as many sheets as necessary) Attorney Docket Number AMAT/8830/FEP/PCVD/PJS Sheet 5 5 of **Submission Date** March 31, 2004

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
WB	1	Choi, et al. "Stability of TiB₂ as a Diffusion Barrier on Silicon," J. Electrochem. Soc., Vol. 138, No. 10, October 1991	+
910	2	Debusschere, et al. "Importance of determining the polysilicon dopant profile during process development," J. Vac. Sci. Technol. B 14(1), Jan/Feb 1996	1
WB	3	Earles, et al. "Nonmelt Laser Annealing of 5-KeV and 1-KeV Boron-Implanted Silicon," IEEE Transactions on Electron Devices, Vol. 49, No. 7, July 2002	7
WB	4	Jeong, <i>et al.</i> "Growth and Characterization of Aluminum Oxide Al ₂ O ₃ Thin Films by Plasma-assisted Atomic Layer Controlled Deposition," J. Korean Inst. Met. Mater., Vol. 38, No. 10, Oct. 2000	1
WB	5	Jeong, et al. "Plasma-assisted Atomic Layer Growth of High-Quality Aluminum Oxide Thin Films," Jpn. J. Appl. Phys. 1, Regul. Pap. Short Notes, Vol. 40, No. 1, Jan 2001	
gvB	6	Lee, et al. "Cyclic Technique for the Enhancement of Highly Oriented Diamond Film Growth," Thin Solid Films 303 (1997) 264-269	
We	7	Paranjpe, et al. "Atomic Layer Deposition of AlO _x for Thin Film Head Gap Applications," J. Electrochem. Soc., Vol. 148, No. 9, Sep. 2001	1
qvs	8	Talwar, et al. "Junction sealing unsing lasers for thermal annealing," Solid State Technology, Vol. 46, Issue 7, July 2003	
Wb	9	Yamshita, et al. "Kinetics of Boron Activation by Flash Lamp Annealing," Extend Abstracts of the 2003 International Conference of Solid State Devices and Materials, Tokyo, 2003, pp. 742-743	7
	10		
	11		

Examiner William M. Brewster

Date Considered 29 SEPS

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Please type a sign (+) inside this box \rightarrow +

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute or form 1449A/PTO

Sheet

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 1

Application Number	10/784,904
Filing Date	February 23, 2004
First Named Inventor	Ma, et al.
Group Art Unit	2812 2823
Examiner Name	Unknown William M. Brewster
Attorney Docket Number	AMAT/8830/FEP/PCVD/PJS
Submission Date	April 22, 2005

U.S. PATENT DOCUMENTS							
Examiner Cit No.	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where		
	IND.	Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document Relevant Pa	Relevant Passages or Relevant Figures Appear		
WB	A1	US-6451119 B2	09/17/2002	SNEH, ET AL.	X		
9VB	A2	US-6335280 B1	01/01/2002	VAN DER JEUGD			
WB	А3	US-6291319 B1	09/18/2001	YU, ET AL.			
900	A4	US-20050079691 A1	04/14/2005	KIM, ET AL.			
QV B	A5	US-20030189208 A1	10/09/2003	LAW, ET AL.			
9VB	A6	US-20020145168 A1	10/10/2002	BOJARCZUK, JR., ET AL.	×		
	A7						

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T ⁶
Initials*	No.'	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	B1					

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
WB	C1	International Search Report mailed February 22, 2005 for PCT/US2004/030872 (AMAT/8539-PCT)	4
Wb	C2	Kamins, et al. "Kinetics of selective epitaxial deposition of Si _{1.4} Ge ₄ ", Applied Physics Letters, American Institute pf Physics. New York, US, vol. 61, no. 6, 10 August 1992, pp. 669-671)
918	СЗ	Menon, et al. "Loading effect in SiGe layers grown by dichlorosilane- and silane-based epitaxy", Journal of Applied Physics, American Institute of Physics. New York, US, vol. 90, no. 9, 1 November 2001, pp. 4805-4809	
qvB	C4	Sedgwick, et al. "Selective SiGe and heavily As doped Si deposited at low temperature by atmospheric pressure chemical vapor deposition", Journal of Vacuum Science and Technology: Part B, American Institute of Physics. New York, US, vol. 11, no. 3, 1 May 1993, pp. 1124-1128	
916	C5	Uchino, et al. "A Raised Source/Drain Technology Using In-situ P-doped SiGe and B-doped Si for 0.1 µm CMOS ULSIs", Electron Devices Meeting, 1997. Technical Digest, International Washington, DC, USA 7-10 Dec. 1991, New York, NY, USA, IEEE, US, 7 December 1997, pp. 479-482	λ

Examiner	In allrem	m.	Brewster	Date Considered 2 4 SEP & S

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant, Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, a Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), a For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document, skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, a Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need 3ssistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

Under the Papers	rork Reduction Act of 1995	D.S. Patt 5 no persons are required to respond to a collect	tion of information unless it displays a valid OMB control numbe
Substitute for form 1449A/PTO		Application Number	10/784,904
DIPE		Filing Date	February 23, 2004
SUPPLEMENTAL INFO	RMATION	First Named Inventor	Ma, et al.
DISCLOSURE STATE	MENT BY	Group Art Unit	2012 2823
o I g/ AFFEIVANI		Examiner Name	Gaknown W. 11, 4m M. Brewster
(Use as many sheets as ne	cessary)	Attorney Docket Number	AMAT/8830/FEP/PCVD/PJS
Sheet 1	of 1	Submission Date	June /6 , 2005

Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Figures Appear	
A1	US-6821825 B2	11/23/2004	Todd	8	
A2	US-6797558 B2	09/28/2004	Nuttall, et al.		
, A3	US-6562720 B2	05/13/2003	Thilderkvist, et al.		
A4	US-6489241 B1	12/03/2002	Thilderkvist, et al.		
A5	US-6159852	12/12/2000	Nuttall, et al.		
A6	US-6042654	03/28/2000	Comita, et al.		
A7	US-5906680	05/25/1999	Meyerson		
A8	US-5273930	12/28/1993	Steele, et al.		
A9	US-5112439	05/12/1992	Reisman, et al.		
A10	US-20040253776 A1	12/16/2004	Hoffmann, et al.		
A11	US-20040226911 A1	11/18/2004	Dutton, et al.		
A12	US-20040033674 A1	02/19/2004	Todd		
A13	US-20020090818 A1	07/11/2002	Thilderkvist, et al.	*	
				<u> </u>	
1					
				· · · · · · · · · · · · · · · · · · ·	
		1			
	A2 A3 A4 A5 A6 A7 A8 A9 A10 A11	Number-Kind Code ^{2 (fl known)} A1 US-6821825 B2 A2 US-6797558 B2 A3 US-6562720 B2 A4 US-6489241 B1 A5 US-6159852 A6 US-6042654 A7 US-5906680 A8 US-5273930 A9 US-5112439 A10 US-20040253776 A1 A11 US-20040226911 A1 A12 US-20040033674 A1	Number-Kind Code ^{2 (f Irrown)} A1 US-6821825 B2 11/23/2004 A2 US-6797558 B2 09/28/2004 A3 US-6562720 B2 05/13/2003 A4 US-6489241 B1 12/03/2002 A5 US-6159852 12/12/2000 A6 US-6042654 03/28/2000 A7 US-5906680 05/25/1999 A8 US-5273930 12/28/1993 A9 US-5112439 05/12/1992 A10 US-20040253776 A1 12/16/2004 A11 US-20040033674 A1 02/19/2004	Number-Kind Code ^{2 (f Isrown)} Number-Kind Code ^{2 (f Isrown)}	

Examiner Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

	Under the Paperwe	ork Reduction Act of 1995, no	persons are required to respond to a collecti	on of information unless it displays a valid OMS control numbe
1	Substitute for form 1449A/PTO		Application Number	10/784,904
10	IPE		Filing Date	February 23, 2004
	SEXPPLEMENTAL INFO	RMATION	First Named Inventor .	Ma, et al.
_ JUL	2 5 2005 DESCLOSURE STATE	MENT BY	Group Art Unit	2012 2 g 2 3
	(Use as many sheets as necess		Examiner Name	William M. Brewster
TA DE	(Use as many sheets as nec	essary)	Attorney Docket Number	AMAT/8830/FEP/PCVD/PJS
-(1)	Sheet 1	of 1	Submission Date	July 22, 2005

			U.S. PATENT	DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code ^{2 (* known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
WB	A1	US-6100171	08/08/2000	Ishida	X
WB	A2	US-5966605	10/12/1999	Ishida	*
WO	A3	US-5399506	03/21/1995	Tsukamoto	X
	A4	·			
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				·
	A11				

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T⁰	
Initials*	No.¹	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
WB	B1	WO 01/71787 A1	09/27/2001	Varian Semiconductor Equipment Associates, Inc.	×	×	
	B2						
	В3						
	B4						

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
WB	C1	International Search Report dated June 23, 2005 regarding International Application No. PCT/US2005/004318 (AMAT/8830-PCT)	×
91/19	C2	Goto, et al. "Ultra-Low Contact Resistance for Deca-nm MOSFETs by Laser Annealing", Electron Devices Meeting, 1999. IEDM Technical Digest. International Washington, DC, USA 5-8 Dec. 1999, Piscataway, NJ, USA, IEEE, US, 5 December 1999 (1999-12-02), pp. 931-933, XP010372208	×

Examiner William M. Browster Date Considered 295EPBS

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document, skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, a Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.